

Fig. 1

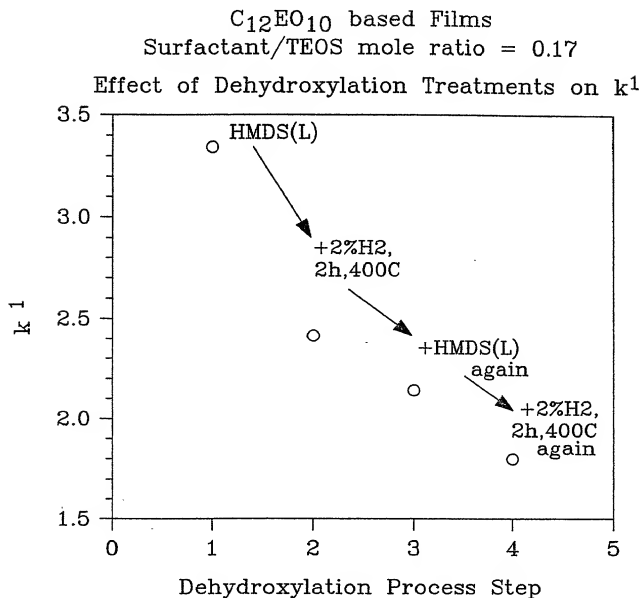


Fig. 2

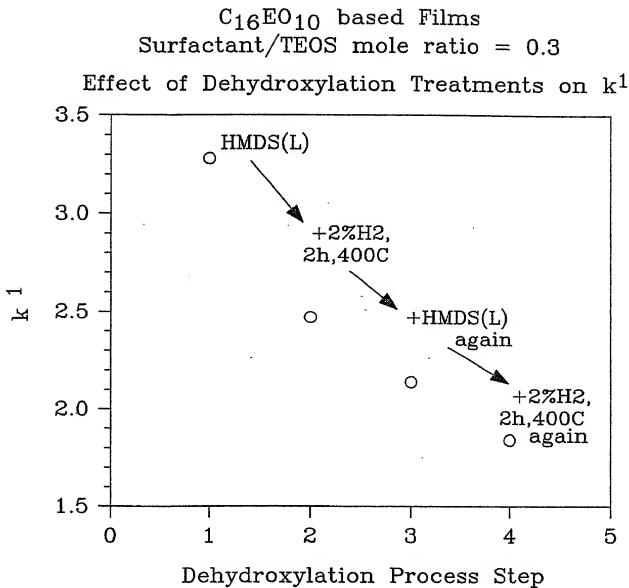


Fig. 3

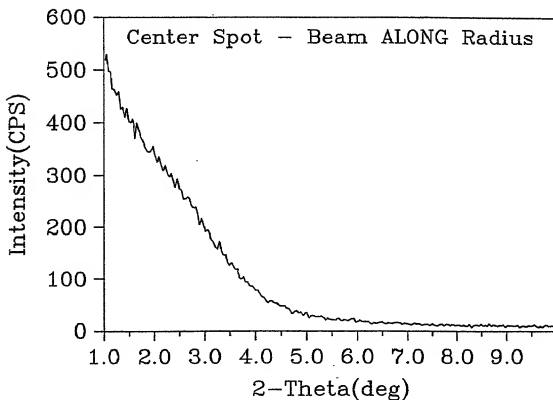


Fig. 4a

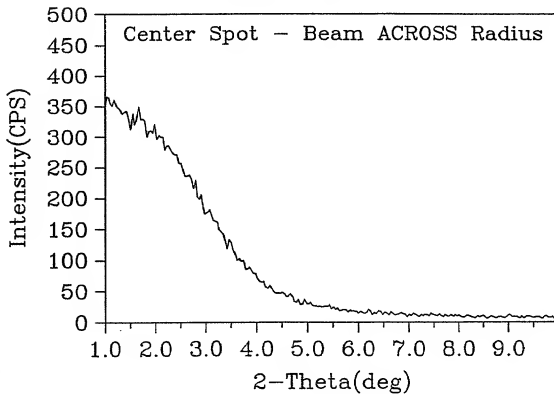


Fig. 4b

Fig. 5

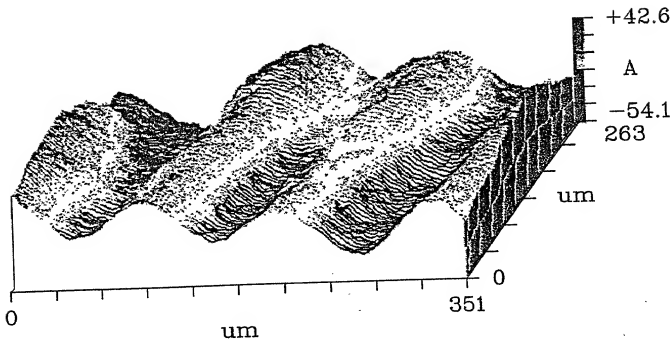


Fig. 6a

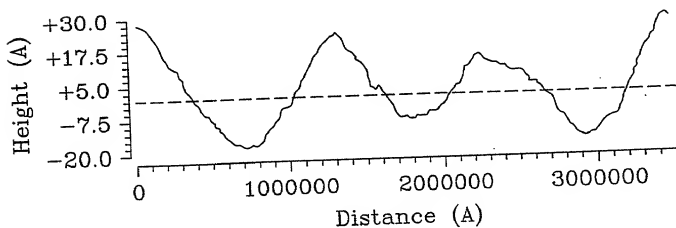


Fig. 6b

Modulus between 14 and 17 GPa
obtained for 50–300 microNewton loads

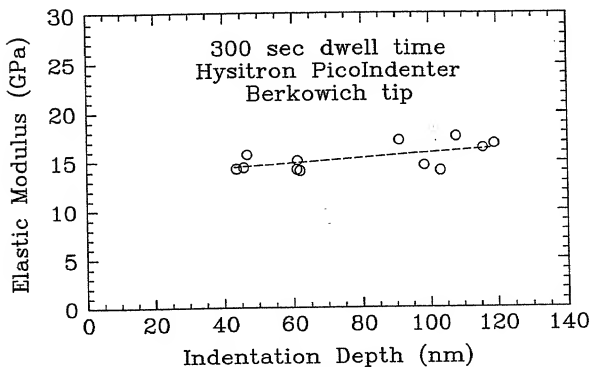


Fig. 7

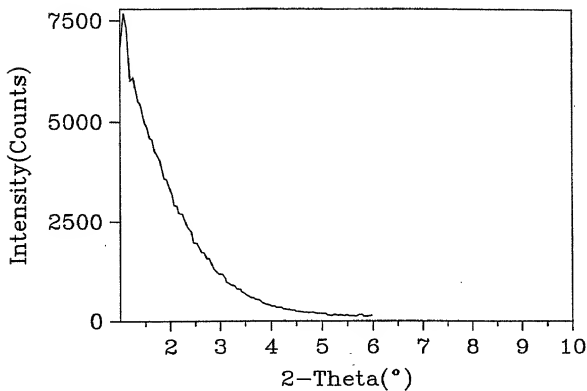


Fig. 8a

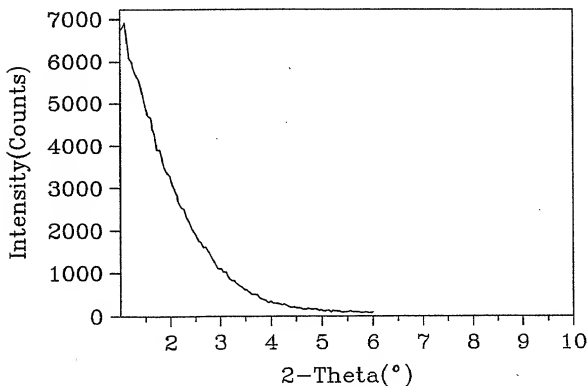


Fig. 8b

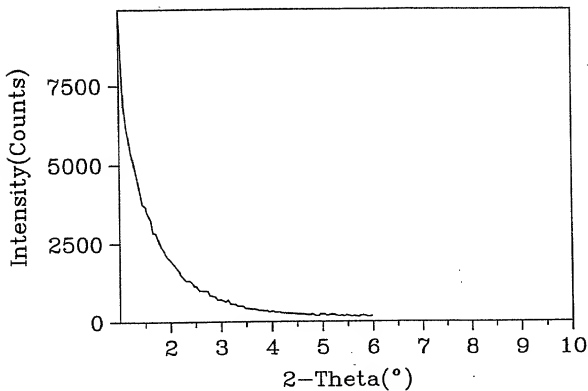


Fig. 9a

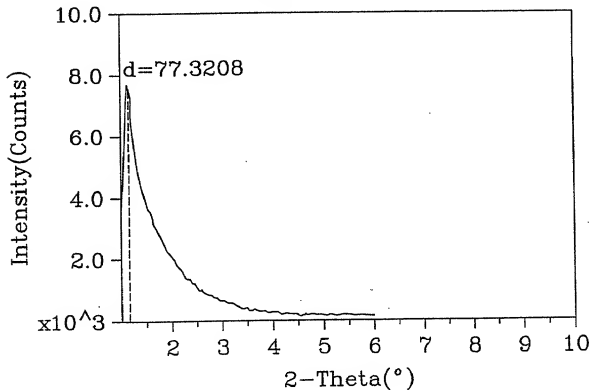


Fig. 9b

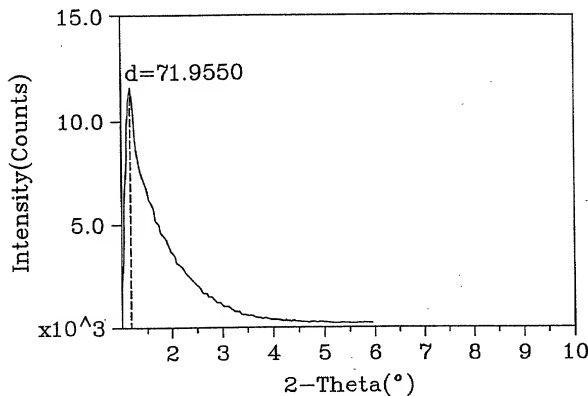


Fig. 10a

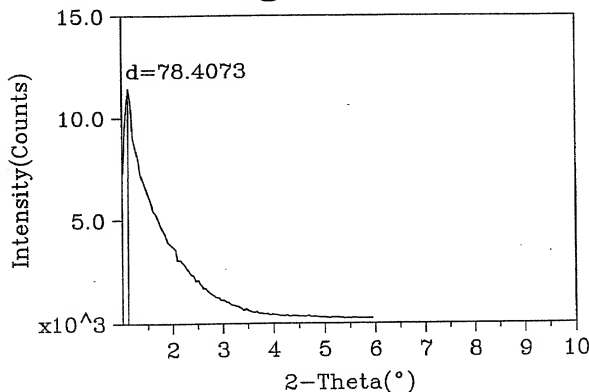


Fig. 10b

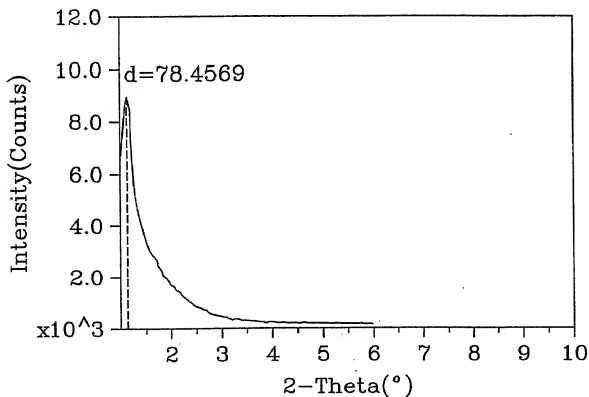


Fig. 11a

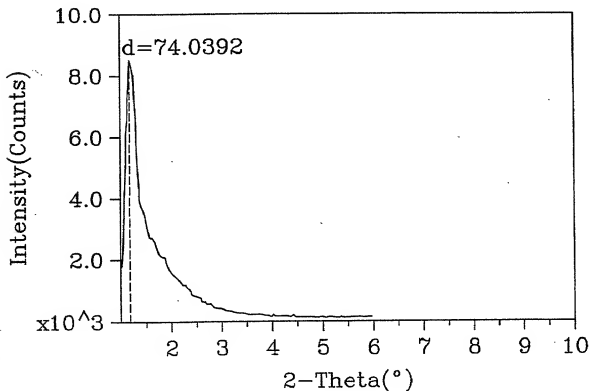


Fig. 11b

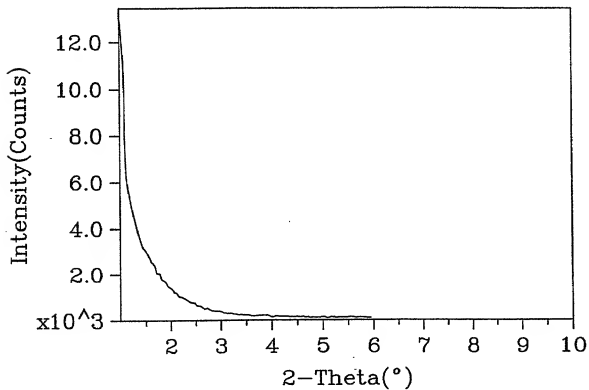


Fig. 12a

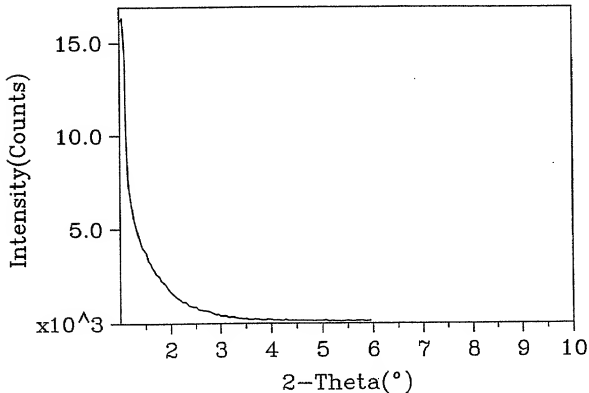


Fig. 12b

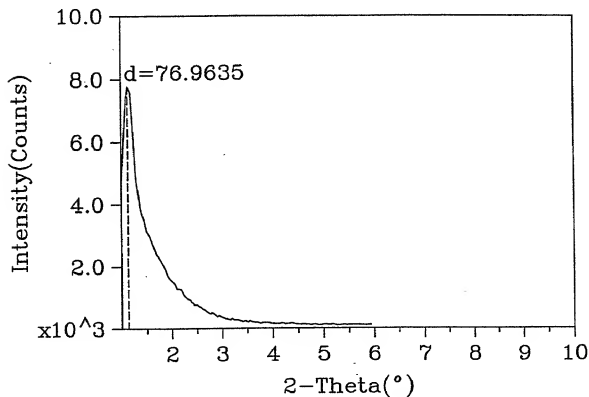


Fig. 12c

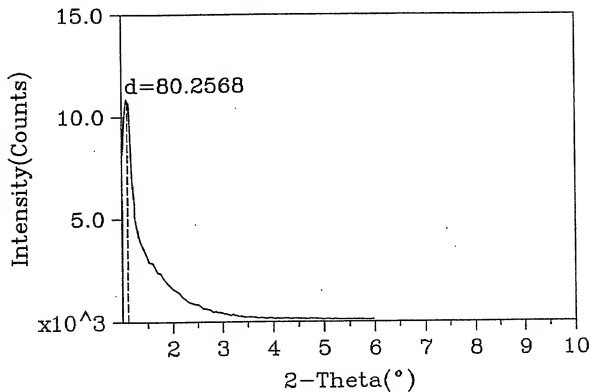
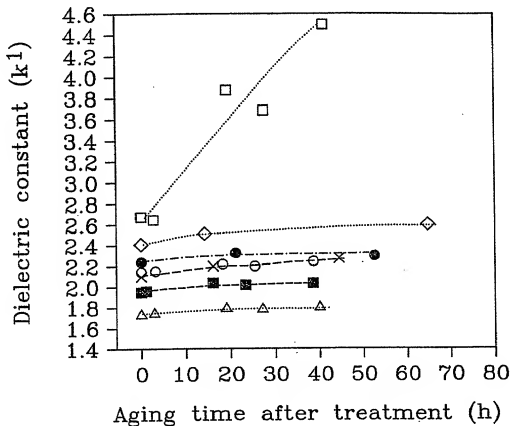


Fig. 12d



- 2%H2, 2h, 400°C (103-2-1-B1)
- ◇ HMDS (L) >> 2%H2, 2h, 400°C (XL-92-2)
- HMDS (L) >> 2%H2, 2h, 400°C >> HMDS (L) (103-2-I-A1)
- △ HMDS (L) >> 2%H2, 2h, 400°C >> HMDS (L) >> 2%H2, 2h, 400°C (103-2-I-A2)
- HMDS (L) >> Ar, 2h, 400°C (103-2-1-B2)
- HMDS (L) >> Ar, 2h, 400°C >> HMDS (L) >> Ar, 2h, 400°C (112-1-III-D2)
- × HMDS spin coat >> 2%H2, 2h, 400°C >> HMDS spin coat >> 2%H2, 2h, 400°C (103-2-1-C1)

Fig. 13